

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method of casing a well bore comprising the steps of: providing a casing comprising a sleeve and a stress-absorbing material that is coated on the sleeve to form a casing coating or that is embedded within the sleeve; and placing the casing into the well bore.
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Currently Amended) The method of claim [[4]] 1 wherein the casing coating is disposed coated on an interior surface of the sleeve.
6. (Currently Amended) The method of claim [[4]] 1 wherein the casing coating is disposed coated on an exterior surface of the sleeve.
7. (Currently Amended) The method of claim [[4]] 1 wherein the casing coating has a thickness of less than about three inches.
8. (Currently Amended) The method of claim [[4]] 1 wherein the casing coating is applied to the sleeve by extrusion, showering, dipping, brush coating, powder coating, or hot melting.
9. (Original) The method of claim 1 wherein the stress-absorbing material comprises a fiber, a resin, or an elastomer.
10. (Original) The method of claim 1 wherein a casing collar comprising a stress-absorbing material is connected to an end of the casing.
11. (Original) The method of claim 10 wherein the casing collar further comprises a hollow cylindrically shaped housing.
12. (Withdrawn) The method of claim 10 wherein the stress-absorbing material is embedded within the cylindrically shaped housing.
13. (Currently Amended) The method of claim 10 11 wherein the stress-absorbing material forms a collar coating disposed coated on a surface of the hollow cylindrically shaped housing.

14. (Currently Amended) A method of casing a well bore comprising the steps of:
providing a casing comprising
a sleeve, and
a casing coating comprising a stress-absorbing material ~~disposed coated~~
on the sleeve; and
placing the casing into the well bore.
15. (Currently Amended) The method of claim 14 wherein the casing coating is ~~disposed coated~~ on an exterior surface of the sleeve.
16. (Currently Amended) The method of claim 14 wherein the casing coating is ~~disposed coated~~ on an interior surface of the sleeve.
17. (Original) The method of claim 14 wherein the casing coating has a thickness of less than about three inches.
18. (Original) The method of claim 14 wherein the casing coating is applied to the sleeve by extrusion, showering, dipping, brush coating, powder coating, or hot melting.
19. (Original) The method of claim 14 wherein the stress-absorbing material comprises a fiber, a resin, or an elastomer.
20. (Original) The method of claim 14 wherein a casing collar is connected to an end of the casing.
21. (Currently Amended) The method of claim 20 wherein the casing collar comprises a hollow cylindrically shaped housing, and a collar coating comprising a stress-absorbing material ~~disposed coated~~ on the hollow cylindrically shaped housing.
22. (Currently Amended) A method of reducing the transmission of stress from a casing to a cement sheath comprising the steps of:
providing a casing that comprises a sleeve and a stress-absorbing material that is coated on the sleeve to form a casing coating or that is embedded within the sleeve;
placing the casing into a well bore that penetrates a subterranean formation, thereby forming an annulus between the casing and the subterranean formation;
placing a cement composition into the annulus; and
allowing the cement composition to set within the annulus so as to bond the casing to a portion of the subterranean formation.
23. (Canceled)

24. (Canceled)
25. (Canceled)
26. (Currently Amended) The method of claim 25 22 wherein the casing coating is disposed coated on an interior surface of the sleeve.
27. (Currently Amended) The method of claim 25 22 wherein the casing coating is disposed coated on an exterior surface of the sleeve.
28. (Currently Amended) The method of claim 25 22 wherein the casing coating has a thickness of less than about three inches.
29. (Currently Amended) The method of claim 25 22 wherein the casing coating is applied to the sleeve by extrusion, showering, dipping, brush coating, powder coating, or hot melting.
30. (Original) The method of claim 22 wherein the stress-absorbing material comprises a fiber, a resin, or an elastomer.
31. (Original) The method of claim 22 wherein a casing collar is connected to an end of the casing.
32. (Original) The method of claim 31 wherein the casing collar further comprises a hollow cylindrically shaped housing.
33. (Withdrawn) The method of claim 32 wherein the stress-absorbing material is embedded within the cylindrically shaped housing.
34. (Currently Amended) The method of claim 32 wherein the stress-absorbing material forms a collar coating disposed coated on a surface of the hollow cylindrically shaped housing.
35. (Currently Amended) A method of reducing the transmission of stress from a casing to a cement sheath comprising the steps of:
 - providing a casing that comprises
 - a sleeve, and
 - a casing coating comprising a stress-absorbing material disposed coated on the sleeve; and

placing the casing into a well bore that penetrates a subterranean formation, thereby forming an annulus between the casing and the subterranean formation;

placing a cement composition into the annulus; and

allowing the cement composition to set within the annulus so as to bond the casing to a portion of the subterranean formation.

36. (Currently Amended) The method of claim 35 wherein the casing coating is disposed coated on an exterior surface of the sleeve.

37. (Currently Amended) The method of claim 35 wherein the casing coating is disposed coated on an interior surface of the sleeve.

38. (Original) The method of claim 35 wherein the casing coating has a thickness of less than about three inches.

39. (Original) The method of claim 35 wherein the casing coating is applied to the casing by extrusion, showering, dipping, brush coating, powder coating, or hot melting.

40. (Original) The method of claim 35 wherein the stress-absorbing material comprises a fiber, a resin, or an elastomer.

41. (Original) The method of claim 35 wherein a casing collar is connected to an end of the casing.

42. (Original) The method of claim 41 wherein the casing collar comprises a hollow cylindrically shaped housing, and a collar coating comprising a stress-absorbing material disposed on the housing.

43. (Currently Amended) An improved casing comprising a sleeve and a stress-absorbing material that is coated on the sleeve or that is embedded within the sleeve.

44. (Canceled)

45. (Canceled)

46. (Currently Amended) The improved casing of claim 44 wherein the stress-absorbing material forms a casing coating disposed coated on the sleeve.

47. (Currently Amended) The improved casing of claim 46 wherein the casing coating is disposed coated on an interior surface of the sleeve.

48. (Currently Amended) The improved casing of claim 46 wherein the casing coating is disposed coated on an exterior surface of the sleeve.

49. (Original) The improved casing of claim 46 wherein the casing coating has a thickness of less than about three inches.

50. (Original) The improved casing of claim 46 wherein the casing coating is applied to the sleeve by extrusion, showering, dipping, brush coating, powder coating, or hot melting.

51. (Original) The improved casing of claim 43 wherein the stress-absorbing material comprises a fiber, a resin, or an elastomer.

52. (Currently Amended) An improved casing comprising:

a sleeve; and

a casing coating comprising a stress-absorbing material ~~disposed~~ coated on the sleeve.

53. (Currently Amended) The improved casing of claim 52 wherein the casing coating is ~~disposed~~ coated on an interior surface of the sleeve.

54. (Currently Amended) The improved casing of claim 52 wherein the casing coating is ~~disposed~~ coated on an exterior surface of the sleeve.

55. (Original) The improved casing of claim 52 wherein the casing coating has a thickness of less than about three inches.

56. (Original) The improved casing of claim 52 wherein the casing coating is applied to the sleeve by extrusion, showering, dipping, brush coating, powder coating, or hot melting.

57. (Original) The improved casing of claim 52 wherein the stress-absorbing material comprises a fiber, a resin, or an elastomer.